

APPENDIX D
BAAQMD PERMIT APPLICATION FORMS

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

939 Ellis Street . . . San Francisco, CA 94109
(415) 749-4990 . . . FAX (415) 749-5030

FORM P-101B

**AUTHORITY TO CONSTRUCT
PERMIT TO OPERATE**

Application Information

Application No.	Plant No. 26
(assigned by District)	(leave blank if unknown)
Business Name Mirant Potrero, LLC	
Equipment Description see attached application	
If you qualify for the District's Accelerated Permitting Program , (see reverse for criteria), check here <input type="checkbox"/>	
If you are applying to permit or to register portable equipment , in accordance with Regulation 2-1-220, check here <input type="checkbox"/>	

New Plant Information

If you have not previously been assigned a Plant Number by the District or if you want to update any Plant data that you have previously supplied to the District, please complete the New Plant Information box below.

Plant Address (equipment location)		
City	State	Zip
Mailing Address		
City	State	Zip
Plant Contact		
Title		
Telephone	Fax	
E-mail Address		

Application Contact Information (if different from plant contact)

All correspondence regarding this application will be sent to the above plant contact person unless you wish to designate a different contact for this application.

Application Contact Ronald Kino		
Title/Company Manager, Environmental Health and Safety		
Mailing Address 1350 Treat Blvd., Suite 500		
City Walnut Creek	State CA	Zip 94596
Telephone (925) 287-3118	Fax (925) 947-3001	
E-mail Address ronald.kino@mirant.com		

Small Business Certification

You are entitled to a reduced permit fee if you qualify as a small business as defined by BAAQMD Regulation 3. In order to qualify, you must certify that your business meets all of the following criteria:

- ☐ The principal office is in California, and its officers live in California.
- ☐ The business is independently owned and operated.
- ☐ The business is not dominant in its field of operation and is not an affiliate of a non-small business.
- ☐ If a non-manufacturer, it does not employ more than 25 persons and its annual receipts do not exceed \$1 million.
- ☐ If a manufacturer, it does not employ more than 50 persons and its annual receipts do not exceed \$5 million.

Signature:

Date:

Accelerated Permitting Program

The Accelerated Permitting Program entitles you to install and operate qualifying sources of air pollution and abatement equipment **without waiting for the District to issue a Permit to Operate**. In order to participate in this program you must certify that your project will meet all of the following criteria. Please acknowledge each m by checking each box and signing below.

- ☐ Uncontrolled emissions of any single pollutant are each less than 10 lb/highest day, or the equipment has been precertified by the BAAQMD.
- ☐ Emissions of toxic compounds do not exceed the trigger levels identified in Table 2-1-316 (see District Regulation 2, Rule 1).
- ☐ For replacement of abatement equipment, the new equipment must have an equal or greater overall abatement efficiency for all pollutants than the equipment being replaced.
- ☐ The project is not subject to public notice requirements (source is either more than 1000 ft. from the nearest school, or source does not emit any toxic compound in table 2-1-316).
- ☐ The minimum permit fee payment of \$438.00 per source is included with the application. If you certify that you meet the small business criteria by completing that portion of this form, the minimum permit fee payment is \$269.00 per source. Additional permit fees may be assessed at the time the application is evaluated.

Signature: _____

Date: _____

All Applications

All applications should contain the following additional information:

- ☒ Completed data form(s) for each piece of equipment (data forms listed below)
- ☒ A facility map, drawn roughly to scale, that locates the equipment and its emission points
- ☒ Project/equipment description, manufacturer's data
- ☒ Pollutant flow diagram
- ☒ Discussion/calculations relating to emissions from the equipment
- ☐ If a new Plant, a local street map showing the location of your business

ereby certify that the sources in this permit application: (check one)

- ☐ Are ☒ Are not within 1,000 feet of the outer boundary of the nearest school

Has an Environmental Impact Report (EIR) or other California Environmental Quality Act (CEQA) document been prepared for this project? ☐ no ☒ yes If yes, by whom? URS Corp.

IMPORTANT: Under the California Public Records Act, all information in your permit application will be considered a matter of public record and may be disclosed to a third party. If you wish to keep certain items separate as specified in Regulation 2, Rule 1, Section 202.7, please complete the following steps:

- (a) Make a copy of any page containing confidential information with the confidential information blanked out. Label this page "Public Copy."
- (b) Label the original page "Confidential." Circle all confidential items on the page.
- (c) Prepare a written justification for the confidentiality of each confidential item. Append this to the confidential copy.

Signature: _____

Date: _____

Mail the completed application to: **Bay Area Air Quality Management District**
939 Ellis Street
San Francisco, CA 94109
Attention: Permit Services Division

The appropriate data form(s) should be completed for all equipment requiring a Permit to Operate. The data forms are listed below. If you are uncertain which data form to use, need additional data forms, or require assistance completing a form, please call the **Permit Services Division** at (415) 749-4990 or contact our **Permit Assistance Centers** at 510-286-6991 (Oakland), 925-229-9972 (Martinez), or 408-277-1477 (San Jose). Forms are also available on the District's website at www.baaqmd.gov.

Form A Abatement Device
Form D Dry cleaner
Form G Other Miscellaneous
Form S Surface Coating
Form T Organic Liquid Loading/Storage

Form C Combustion Equipment
Form F Semiconductor Fabrication
Form SC Solvent Cleaning Operation
Form SS Form S supplement for printers
Form P Emission Point



DATA FORM G
General Air Pollution Source

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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Form G is for general air pollution sources. Use specific forms when applicable. If this source burns fuel, then also complete Form C.

1. Business Name: Mirant Potrero, LLC Plant No: 26
2. SIC No.: _____ Date of Initial Operation _____ (if unknown, leave blank)
3. Name or Description: Cooling Tower for Unit 7 Source No.: S- 59
4. Make, Model, and Rated Capacity of Equipment: Marley, 14 cell, 140,000 gpm
5. Process Code¹ 7104 Material Code² _____ Usage Unit² _____
6. Total throughput, last 12 mos. _____ usage units² Maximum operating rate: _____ usage units² /hr
7. Typical % of total throughput: Dec-Feb 25 % Mar-May 25 % Jun-Aug 25 % Sep-Nov 25 %
8. Typical operating times: 24 hrs/day 7 days/week 45 weeks/year
9. For batch or cyclic processes: _____ minutes/cycle _____ minutes between cycles
10. Exhaust gases from source: Wet gas flowrate 1.7 mm cfm at Amb. °F
(at maximum operation) Approximate water vapor content sat. volume%

EMISSION FACTORS (at maximum operating rate)

If this form is being submitted as part of an application for an **authority to construct**, completion of the following table is mandatory. If not, and the Source is *already in operation*, completion of the table is requested but not required.

If this source also burns fuel, do not include those combustion products in the emission factors below; they are accounted for on Form C. If source test or other data are available for composite emissions only, estimate from those data the emissions attributable to just the general process and show below.

☐ Check box if factors apply to emissions **after** Abatement Device(s).

	Emission Factors lb/Usage Unit²	Basis Code³
11. Particulate.....	Table 4-1	
12. Organics		
13. Nitrogen Oxides (as NO ₂).....		
14. Sulfur Dioxide		
15. Carbon Monoxide		
16. Other: _____		
17. Other: _____		

18. With regard to air pollutant flow from this source, what sources(s), abatement device(s) and/or emission point(s) are **immediately** downstream?

S- _____ S- _____ S- _____ A- _____ A- _____ A- _____
P- 59 P- _____ P- _____ P- _____ P- _____

¹See Tables G-1 through G-7 for code

²See Table G5 or the Material Codes Table (available upon request)

³See Basis Code Table below

Person completing this form: Mark Strehlow

Date: 07/17/03



Data Form A
ABATEMENT DEVICE

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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for office use only

Abatement Device: Equipment/process whose primary purpose is to reduce the quantity of pollutant(s) emitted to the atmosphere.

1. Business Name: Mirant Potrero, LLC Plant No: 26
(If unknown, leave blank)

2. Name or Description Granular Activated Carbon Bed – Odor Control System Abatement Device No: A- 60

3. Make, Model, and Rated Capacity TBD

4. Abatement Device Code (See table*) 56 Date of Initial Operation _____

5. With regard to air pollutant flow into this abatement device, what source(s) and/or abatement device(s) are **immediately** upstream?

S- 60 S- _____ S- _____ S- _____ S- _____
S- _____ A- _____ A- _____ A- _____ A- _____ A- _____

6. Typical gas stream temperature at inlet: Ambient °F

This form is being submitted as part of an application for an **Authority to Construct**, completion of the following table is mandatory. If not, and the Abatement Device is *already in operation*, completion of the table is requested but not required.

	Pollutant	Weight Percent Reduction (at typical operation)	Basis Codes (See Table**)
7.	Particulate		
8.	Organics	50	3
9.	Nitrogen Oxides (as NO ₂)		
10.	Sulfur Dioxide		
11.	Carbon Monoxide		
12.	Other:		
13.	Other:		

14. ☐ Check box if this Abatement Device burns fuel; complete lines 1, 2 and 15-36 on Form C (using the Abatement Device No. above for the Source No.) and attach to this form.

15. With regard to air pollutant flow from this abatement device, what source(s), abatement device(s) and/or emission point(s) are **immediately** downstream?

S- _____ A- _____ A- _____ A- _____ P- 60 P- _____

Person completing this form: Mark Strehlow

Date: 07/17/03/00

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Form P is for well-defined emission points such as stacks or chimneys only; do not use for windows, room vents, etc.

Business Name: Mirant Potrero, LLC Plant No: 26

Odor Control System Vent Emission Point No: P-60

With regard to air pollutant flow into this emission point, what source(s) and/or abatement device(s) are **immediately** upstream?

S- _____ S- _____ S- _____ S- _____ S- _____
S- _____ A- 60 A- _____ A- _____ A- _____ A- _____

it cross-section area: 1.95 sq. ft. Height above grade: 20 ft.

Effluent Flow from Stack

	Typical Operating Condition	Maximum Operating Condition
Actual Wet Gas Flowrate	5,900 cfm	same cfm
Percent Water Vapor	saturated Vol %	same Vol %
Temperature	Ambient °F	same °F

If this stack is equipped to measure (monitor) the emission of any air pollutants,

Is monitoring continuous? ☐ yes ☒ no

What pollutants are monitored? _____

Person completing this form Mark Strehlow Date 07/17/03

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Form P is for well-defined emission points such as stacks or chimneys only; do not use for windows, room vents, etc.

Business Name: Mirant Potrero, LLC Plant No: 26

Unit 7 Cooling Tower Emission Point No: P-59

With regard to air pollutant flow into this emission point, what source(s) and/or abatement device(s) are **immediately** upstream?

S- 59 S- S- S- S- A-
S- A- A- A- A-

Exit cross-section area: 12,450 sq. ft. Height above grade: 69 ft.

Effluent Flow from Stack

	Typical Operating Condition	Maximum Operating Condition
Actual Wet Gas Flowrate	1,601,000 cfm	1,757,500 cfm
Percent Water Vapor	saturated Vol %	saturated Vol %
Temperature	Ambient °F	Ambient °F

If this stack is equipped to measure (monitor) the emission of any air pollutants,

Is monitoring continuous? ☐ yes ☒ no

What pollutants are monitored? _____

Person completing this form Mark Strehlow Date 07/17/03